

Converting Colors

XYZ(41.9235, 50.1190, 47.1214)

Have a look what the booklet for
XYZ(41.9235, 50.1190, 47.1214)
contains.

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Color

**XYZ(41.7800, 49.9706,
46.9784)**

Conversions

Conversions Part 1

Format	Color
Hex	A0C4AD
RGB	160, 196, 173
RGB Percent	63%, 77%, 68%
CMY	0.3725, 0.2314, 0.3216
CMYK	0.18, 0.00, 0.12, 0.23
HSL	142°, 23%, 70%
HSV	142°, 18%, 77%
XYZ	41.7800, 49.9706, 46.9784
YIQ	182.6140, -14.0730, -14.7850

Conversions

Conversions Part 2

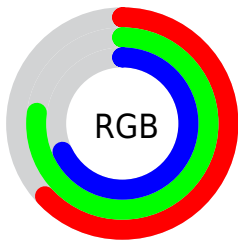
Format	Color
RYB	160, 186, 196
Decimal	10536109
CIELab	76.05, -16.60, 7.58
CIELCh	76, 18.250, 155.453
Yxy	49.9706, 0.3012, 0.3602
Android (android.graphics.Color)	4288726189 (0xFFA0C4AD)
YUV	182.6140, -4.7397, -19.8325
Hunter-Lab	70.6899, -18.2081, 10.0805

Details

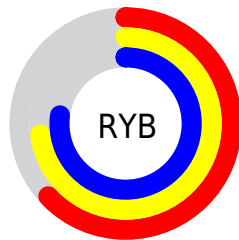
The XYZ color **41.7800, 49.9706, 46.9784** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8848, 40.2976, 50.2673**, and the grayscale version is **44.8302, 47.1648, 51.3625**.

A 20% lighter version of the original color is **77.1532, 90.2991, 86.7618**, and **19.3085, 23.9146, 21.6875** is the 20% darker color. If you saturate the color by 10%, you get **37.0109, 47.6470, 40.7237**, and if you desaturate by 10%, it is **47.2832, 52.6623, 53.8626**.

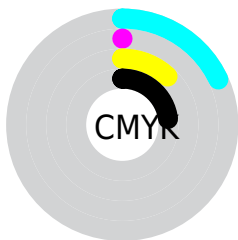
Distribution



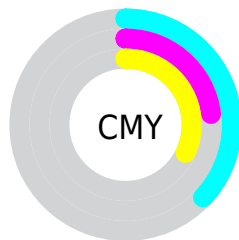
- Red (63%)
- Green (77%)
- Blue (68%)



- Red (63%)
- Yellow (73%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (12%)
- Black (23%)





- Cyan (37%)
- Magenta (23%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.7800, 49.9706, 46.9784 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 41.7800, 49.9706, 46.9784 by changing the saturation by 10% instead.


 41.7800, 49.9706,
46.9784


 41.7800, 49.9706,
46.9784


344.5773,
386.5510, 391.1196

 29.1194, 35.3900,
32.6644

 77.1338, 90.1313,
87.0310

 19.3159, 23.9635,
21.6004


 100.5578,
116.4803, 113.6067

 12.0041, 15.3065,
13.3681


128.3002,
147.5208, 145.1066

 6.8187, 9.0348,
7.5488

160.7265,
183.6373, 181.9494

 3.3943, 4.7639,
3.7240

198.2020,
225.2142, 224.5535

 1.3655, 2.1094,
1.4752

241.0921,

 0.2315, 0.6699,

272.6358, 273.3376

0.1993

289.7620,
326.2866, 328.7201

■ 0.0000, 0.0000,
0.0000

■ 41.7800, 49.9706,
46.9784

■ 41.7800, 49.9706,
46.9784

■ 37.0109, 47.6470,
40.7237

■ 47.2832, 52.6623,
53.8626

■ 32.9399, 45.6690,
35.0773

■ 53.5464, 55.7310,
61.3899

■ 29.5339, 44.0215,
30.0220

■ 60.5991, 59.1929,
69.5777

■ 26.7553, 42.6855,
25.5381

■ 68.4683, 63.0616,
78.4418

■ 24.5630, 41.6401,
21.6051

■ 76.0656, 66.7756,
87.9452

■ 22.9103, 40.8617,
18.2010

■ 77.9459, 67.5278,
97.8467

■ 21.7429, 40.3229,
15.3025

■ 79.0309, 67.9618,
103.5603

■ 20.9775, 39.9810,
12.8831

■ 20.8710, 39.9338,
12.5312

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.7946, 49.9706, 40.5073



41.7800, 49.9706, 46.9784



41.2656, 49.9706, 56.2127

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.7800, 49.9706, 46.9784



48.1211, 49.9706, 75.3147



53.0368, 49.9706, 44.2324

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.7800, 49.9706, 46.9784



43.8848, 40.2976, 50.2673

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



54.3230, 49.9706, 52.6452



41.7800, 49.9706, 46.9784



51.3993, 49.9706, 71.1760

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.7800, 49.9706, 46.9784



44.8245, 49.9706, 73.3309



53.7100, 49.9706, 62.5856



50.2706, 49.9706, 39.0598

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.7800, 49.9706, 46.9784



41.8202, 49.9706, 62.8814



53.7100, 49.9706, 62.5856



53.6624, 49.9706, 46.7349

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.7814, 49.9727, 46.9795



88.1092, 96.5991, 100.5677



45.7107, 52.1367, 40.9126



18.7040, 20.6003, 21.3371



0.0000, 0.0000, 0.0000



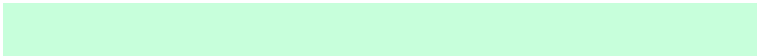
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.7814, 49.9727, 46.9795



72.0935, 88.7712, 80.4609



43.5988, 50.6997, 56.5501



10.0914, 11.3176, 11.4845



13.4477, 25.6731, 8.2507



0.6142, 1.1225, 0.5312

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43.8848, 40.2976, 50.2673



76.5987, 68.0442, 87.4996



42.1653, 39.6098, 41.2125



10.3379, 10.1838, 11.8701



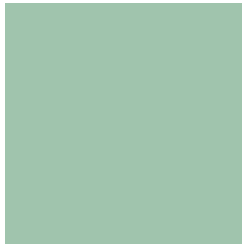
17.0578, 8.5129, 13.4821



0.7690, 0.3806, 0.7512

Previews

White Background



This preview shows how the XYZ color 41.7800, 49.9706, 46.9784 looks on a white background.

Color Contrast Check

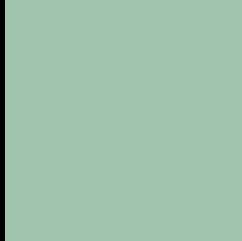
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.7800, 49.9706, 46.9784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

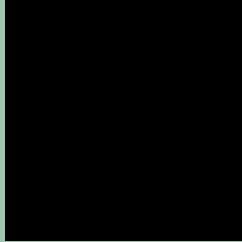
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.7800, 49.9706, 46.9784

Background



This preview shows how black text looks on a background with the XYZ color 41.7800, 49.9706, 46.9784.



This preview shows how white text looks on a background with the XYZ color 41.7800, 49.9706,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

41.7800, 49.9706, 46.9784

Protanopia

47.1325, 49.5471, 44.1252

Deuteranopia

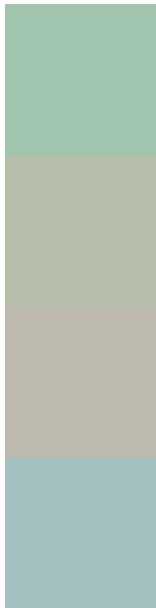
50.6548, 49.7376, 48.0048



Tritanopia

45.4973, 49.8248, 65.6117

Trichromacy



Original Color

41.7800, 49.9706, 46.9784

Protanomaly

44.9606, 49.6743, 45.2486

Deuteranomaly

46.7826, 49.2893, 47.6055

Tritanomaly

44.1174, 49.9275, 58.3507

Monochromacy



Original Color

41.7800, 49.9706, 46.9784

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.7991, 48.3351, 49.6690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7800, 49.9706, 46.9784 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(160, 196, 173)` looks like.

```
.text, #text, p{  
    color:rgb(160, 196, 173)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(160, 196, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 196, 173) }
```

Border

The CSS property to change the border of an element to XYZ 41.7800, 49.9706, 46.9784 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 196, 173) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(160, 196, 173) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(160, 196, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 196, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 196, 173);  
box-shadow:4px 4px 4px 4px rgb(160, 196,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7800, 49.9706, 46.9784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 196, 173) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(160,  
196, 173) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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